THE TECH

VOL. XXVII. No. 56 BOSTON, MASS., WEDNESDAY, MARCH 11, 1908 PRICE THREE CENTS

GYM EXHIBITION TO BE HELD LATE THIS WEEK.

TEAM IS IN GOOD FORM.

Tumbling, Club Swinging, Work on Long Horse. Horizontal Bar and Flying Rings Will Be Seen.

According to all present indications the gymnastic exhibition which will be given March 27 at the Gym, will be an exceptionally good one as many of last year's men are back and the new men are showing up strongly.

The program will consist of tumbling, Indian club swinging, and work on the long horse, side horse, horizontal bar, parallel bars and flying rings. Several other features will be added, such as fencing, boxing, and wrestling.

The tumbling this year should be of a high order, Byron, Howell, Coleman, and Wilson, who all made such a good showing last year and Cary, a new man very clever on the mat, are all in excellent form, making a strong combination. Courtney will swing clubs this year and those who have seen him before know him to be a clever performer.

On the high horizontal, the work of the team should stand out strongly. All the men who worked on this event last year are back and several new men are showing up very well. Howell, Schobinger, Gott, and Sargent, with several new men will work on this apparatus.

On the side horse Cary and a new man are doing some clever work. Darrows and Schobinger are billed for this event, and their work should be exceptionally good. On the flying rings, Darrow and Howell are even better than last year. Practically the whole team will work on the long horse.

All the men who expect to take part in this exhibition are urged to come to the Gym daily at 4.15, especially those of last year's team. The team will not be finally picked out for about ten days so there is still a chance for men to make the team before the exhibition comes off. Men are especially wanted for the parallel bars, side horse and flying rings. Good support is needed to keep the exhibition up to its high standard of other years.

NEW UNION FUND GROWS.

Ticket Sale For Hippodrome Reaches $1000 Mark.

Over a thousand dollars has been taken in by The Tech management on the sale of Hippodrome tickets for Tech Day. Prominent alumni are constantly sending in for seats, and the undergraduate organizations have taken large blocks. The Technology Club has reserved two whole sections and a number of members of the alumni association will lead the cheers from a box directly in front of the arena. The classes of 1902, 1906, and 1907 will be present in force, having reserved 390 seats.

If the seat sale continues another week at the present rate, the entire audience will be composed of Technology enthusiasts, among whom are the girls of Dana Hall at Wellesley, which has reserved a large block of seats for the afternoon of Tech Day. The Union fund ought to assume proportions of double ciphers. Notwithstanding the sales it must be borne in mind that the house seats 4800, and a good many choice seats are untaken.

The Harvard Union has secured the show for Thursday, April 16, for a Harvard Day.

INTERCOLLEGIATE FENCING PRELIMINARIES SATURDAY.

THREE TEAMS WILL COMPETE.

Yale, Harvard and Tech will Fight Out First Round of the Championship.

Technology fences Yale and Harvard at the Gym Saturday night in the preliminaries of the National Intercollegiate Meet. The two best teams fence in the finals at New York in April. The bouts promise to be fast and closely contested.

All three teams are well matched, Yale being considered the hardest proposition Technology goes up against. The Institute team has been training hard all winter and should show up fairly well, in spite of the fact that there has been but one practice meet this season.

The line ups will probably be as follows: — Technology: E. M. Loring (capt.), F. J. Lange, V. C. Grubnau, J.

F. J. LANGE.

W. Nickerson. Yale: Geo. C. Haas (capt.), Bryan H. Smith. Allen C. Staley, J. Caber Loree (sub.) Harvard; G. L. Cutting (capt.) B. M. Nussbaum, H. A. Erhard. L. Barroll (sub.)

Tickets are on sale at the Cage. Yale and Harvard have taken a large block of tickets for the meet.

QUAKER ALUMNI ELECT.

Tonight the Technology Club of Philadelphia are to have a dinner at the City Club, Philadelphia.

The following men have been elected officers:—Jere R. Daniell 1897, president; Frank H. Kusker 1897, vice-president; Percy E. Tillson 1906, secretary-treasurer; Clayton W. Pike 1889, Harry P. Codington 1895, Fred A. Hunnewell 1897, Edgar P. Trask 1899, Lewis A. Miller 1901, and H. LeRoy Walker 1905, executive committee.

HONOR MAN IN ROME.

Word has been received of the arrival at Rome of Ernest Farnum Lewis 1907, who was chosen by the executive committee of the American Academy in Rome to become its scholarship man.

Lewis graduated from Brown in June, 1905, and came to Tech in the fall, took his B.S. degree in the architectural department. While here he won the Rotch prize for excellent work as a regular student. Lewis represented the department of architecture at the comemncement exercises.

The receiver of this scholarship is required to go to Rome for three years, his expense on the trip being paid, his lodging and studio provided for, and $1000 a year being paid to him beside. No higher honor than this can be paid to an American student of architecture.

THIRTY CANDIDATES OUT FOR SPRING TRACK WORK.

INDOOR WORK AT GYM.

Most of the Veterans on Hand and Many New Men Show Up.

Many candidates answered the first call at the Gym yesterday afternoon for work preliminary to the start outdoors. Practice at the Field will begin very soon, possibly within a week. Men are at work preparing the field, levelling the track, and Coach Kanaly is anxiously awaiting mild weather. He expects to have an all around team rather than any individual champions.

Those men out for the weight events will practice in the lot in front of the Lowell Building, on Mondays, Wednesdays and Fridays. The following men showed up at the Gym yesterday: L. G. Glazier 1911, F. D. Stewart 1910, W. J. Seligman 1911, P. Hart 1910, H. Lockett 1910, T. W. Orr 1908, H. R. Elwell 1910, G. B. Cummings 1910, A. A. Gould 1910, W. T. MacCreadie 1911, W. C. Salisbury 1911, C. Schobinger 1908, F. F. Bell 1910, J. F. McCarthy 1909, E. Stuart 1910, C. P. Eldred 1911, W. N. Drew 1910, L. O. Mills 1910, W. Morrison 1908, L. C. Cooley 1911, R. H. Gould 1911, H. A. Rapelye 1908, H. G. Jenks 1911, F. C. Dolke 1911, C. P. Kerr 1911, J. H. Walcott 1911, K. D. Fernstrom 1910, J. D. Mackenzie 1911, D. R. Stevens 1911, H. L. Clark 1909, H. H. Howland 1908, L. A. Loomis 1908, W. C. West 1911, S. M. Niles 1911 and R. A. D. Preston 1910.

NEW YORK AT THE UNION.

Empire State Boys Dine.

At the meeting of the New York State Club at the Union Monday evening it was decided to put an insert for the club in Technique 1908. Owing to the fact that almost all the officers of the club had left the Institute or otherwise disappeared, new elections were made. As a result C. J. Belden 1909 was elected president; L. A. Freedman 1908, vice-president; P. D. Terry 1910, secretary; H. W. Dun, Jr. 1908, treasurer; H. E. Batsford 1908 and W. I. Griffin 1908 were elected to the executive committee.

Many new men were elected to membership. The following men were at the dinner: H. W. Dun, Jr. 1908, W. D. Green 1909, H. O. Stewart 1909, C. J. Belden 1909, J. P. Constable 1911, W. I. Griffin 1908, L. A. Freedman 1908, F. A. Dewey 1909, P. D. Terry 1910, J. M. Fitzwater 1910, J. Scheuer 1910, H. E. Batsford 1908, B. R. Fuller 1909, A. V. de Forest 1911, E. Kloberg, D. M. Giles 1911, C. H. Spiehler 1908, D. C. McMurtrie 1910, G. E. Batcheller 1910, M. Coffin 1911, G. T. Palmer 1909, S. H. Cornell 1911, E. Nicholson 1910, R. Mack 1910, J. G. Tripp 1910, G. T. Gunnsey 1911.

The next meeting and dinner of the club was set for Monday, April 6, and the annual dinner and business meeting will be held Monday, May 4.

PRINCIPALS BEGIN TO SING.

Singing as well as speaking is now occupying the time of the Tech Show principals. They have learned their parts and have had a rehearsal of the songs of the first act. These sound pretty bare without the chorus, except a duet by Hield and Moses and a trio by Catching, Malcolm and Kennison which give some idea of what the songs will sound like in the final performance.

The chorus is at present hard at work learning its steps. It has quite a complicated dance in connection with one of the songs, "The M. I. T. Professor" which ought to be a winner when are still working under Mrs. Francis performed in costume. The dancers and they will have a good deal to say about the success of the Show when the time comes.

CONVOCATION TO BE HELD THIS AFTERNOON.

F. H. NEWELL 1887 TO SPEAK.

Is Chief of Reclamation Service of United States.

Frederick H. Newell 1887, chief of the United States Reclamation Service, who is considered by many as among the five most successful Tech graduates, will address a convocation of the student body this afternoon at 2 o'clock in Huntington Hall.

Mr. Newell has been working on the irrigation of the great deserts in the West, having complete charge of the engineering problems. This work has reached tremendous proportions and is of great importance in the development of the resources of the country. It will probably be the subject of this afternoon's address.

INTER-COURSE CROSS COUNTRY.

Arrangements Complete for Race to be Held April 4.

Final arrangements for the intercourse cross country have been made. The race will be held April 4 over the Tech-Harvard course, a distance of 4 1-4 miles.

The courses have been divided as follows with the names of the men who have been appointed captains of the various groups:—Courses I and XI, J. F. McCarthy 1909; course II, G. H. Magee 1909; course III, B. C. Huber 1910; course IV, C. S. Clapp 1908; courses V and X, J. N. Stephenson 1909; course VI, L. O. Mills 1910; all other courses united with Captain Ellis.

This is the best division that could be devised in order to place every body Any man who would like to run should speak to his captain at once. As there is no limit to the number of men who can run in this race every man who has been on any hare and hound run or would like to start distance running is afforded an excellent chance to make a beginning. The first four men in each course to finish will score for their course.

Freshmen and sophomores are particularly urged to come out for this race as an idea can then be formed of the chances for a successful race between these classes on April 25.

Preparation for this race will consist of the Tuesday and Thursday runs from the Gym and the Saturday hare and hounds runs. The hare and hounds run this week will be held from the Waban School at Waban. Train time will be announced in Friday's Tech.

CENTRAL BRANCH BEGINS.

At the first meeting of the central branch of the Class of 1906, the nomination committee reported the following as officers; sec., A. T. Heywood, assist. sec., U. J. Nicholas, trustees of permanent fund, C. L. Anson, M. A. Coe, H. C. Henrici; executive com., R. R. Patch, E. C. Simpson, H. S. Whiting.

G. A. Haynes 1909 told of the plans for the New Union and the Hippodrome. C. C. Webb 1910 followed with a short outline of the troubles confronting the Tech Show this year together with the remedy proposed for future years.

NO MORE READINGS.

Owing to the fact that the students in the civil and sanitary engineering departments are exceptionally busy this year, Prof. Swain has decided not to give any more readings this year.

These readings, given on subjects of interest to the students, particularly of the civil and sanitary engineering departments, will be greatly missed by all who have ever attended them.

CONVOCATION TODAY AT 2 P.M.

THE TECH

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W. F. DOLRE 1908 — *Managing Editor*
D. C. MCMURTRIE 1910 — *Sporting Editor*
H. W. HOOLE 1908
H. I. PEARL 1910
W. D. GREEN 1909, J. N. STEPHENSON 1909, D. CLAPP 1910 — *Associate Editors*

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MORE REPRESENTATION.

Recently a professional society discussed making Class Day thoroughly representative by arranging that all the course societies be represented on the committee. Of course Class Day is and should be for everyone, but naturally the seniors on the committee to represent 1908 should be the men who have done the most for the class, who are representative of Technology rather than of any one course.

This zeal for a fair show is a good thing, however, and should be extended to other things beside the Class Day Committee. All professional societies ought to see to it that they are fairly represented on the track team, on The Tech, in the Tech Show, and not merely in honorary positions.

DEBTS TO TECHNIQUE.

When a man asks that something be done for him for which he knows the customary fee and after receiving his benefit, refuses to pay for it, as a rule he is not looked upon with respect.

When a society or club at Technology by word or deed asks that their insert be put in Technique knowing the customary fee for insertion and then after such insert has been published, refuses to pay for it, should such a club or society be looked upon with respect?

Any notice sent out by the society editor of Technique to an organization is intended merely to remind it that if it wishes to have an insert in the book it should send in a list of members. The organization, in sending a list of names to Technique, makes a tacit request that such list be printed. It knows the customary fee charged. Consequently it takes a questionable stand in not immediately paying the debt thus incurred.

The Chicago Club has shown, if not unwillingness, at least unsuccessful efforts in settling its bill; and now it is understood that the Electrical Engineering Society balks at paying its debt. A number of other clubs and societies are extremely slow in coming up with money. These organizations may feel that for some reason or other it is wrong for them to be asked to pay for inserts. If so they show strength of mind in standing heroically by their principles. Still, if they want to start a movement for free inserts, it would seem better to start it in conection with Technique 1910 and not by refusing to pay present debts.

RESEARCH LAB PUBLICATIONS.

An addition to the list of the serial publications of the research laboratory for 1907 is given below:

"The Specific Heat of Solids at Constant Volume, and the Law of Dulong and Petit," by G. N. Lewis in the Journal of the American Chemical Society.

"On Density, Electrical Conductivity and Viscosity of Fused Salts and Their Mixtures," by H. M. Goodwin and R. D. Mailey in the Physical Review.

"Outlines of a New System of Thermodynamic Chemistry," by G. N. Lewis in the "Proceedings of the American Academy of Arts and Sciences."

"Solutions of Metals in Non-Metallic Solvents (I. General Properties of Solutions of Metals in Liquid Ammonia)," by C. A. Kraus in the Journal of the Americal Chemical Society.

"The Electrical Conductivity of Aqueous Solutions." Publications of Carnegie Institution of Washington, No. 63, 1907. Part I., by A. A. Noyes; Part II., by A. A. Noyes and W. D. Coolidge; Part III., by W. D. Coolidge; Part IV., by A. A. Noyes and A. C. Melcher; Part V., by A. A. Noyes and H. C. Cooper; Part VI., by A. A. Noyes and Y. Kato; Part VII., by R. B. Sesman; Part VIII., by A. A. Noyes and G. W. Eastman; Part IX., by C. W. Kanolt; Part X., by W. Bottger; Part XI., by A. A. Noyes and Y. Kato; Part XII., by A. A. Noyes.

The other publications by the research staff are a translation of Abegg's "The Electrolytic Dissociation Theory," by Carl L. von Ende, and "Standard Cells," by Carl L von Ende, with K. E. Guthe, in the Physical Review.

PAPERS ON GEOLOGY.

Prof. Warren Contributes to Science Periodicals. Another Coming.

Professor Charles H. Warren of the geological department has been engaged in completing papers, one of which, a "Study of the Mineralogy and Petrography of Iron Mine Hill, Cumberland, R. I.," appeared in the January number of the American Journal of Science, another on "Occurrence of the Rare Mineral Species, Hortonblite, at Cumberland, R. I." which appeared in the January number of the Zeitschrift fur Krystallographie und Mineralogie, and a third which is practically completed on the "Metamorphism of the Cumberland Gabbro," not to be published until later.

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A PH.D. IN GEO-PHYSICS.

Dr. Sosman Goes to Carnegie Institution. Use of Gas Thermometer His Work.

Dr. R. B. Sosman, formerly connected with the research laboratory of physical chemistry, who received the doctor's degree from the institute last June, and who has been for the past year in the office of A. D. Little of this city, has accepted a position at the Geo-Physical Laboratory of the Carnegie Institution in Washington.

This laboratory undertakes investigation of the processes involved in the formation of rocks and minerals: and under the remarkably efficient management of its director, Dr. A. L. Day, an unusually complete equipment has been assembled for the study of chemical equilibria at high temperatures and high pressures.

Dr. Sosman's research will consist in the extension of the use of the gas thermometer to very high temperatures, a thing of utmost importance for high temperatures.

OPTION SECURED.

Alumni House in New York Growing.

Six New England colleges, represented by a joint committee of their alumni, have secured an option on the seven-story building at 48-50 West 54th street, New York, and propose to purchase and reconstruct it as a co-operative clubhouse for the New York alumni associations of the colleges, which are Amherst, Brown, Dartmouth, Massachusetts Institute of Technology, Wesleyan and Williams. The enterprise will be financed by the formation of a holding company, each club subscribing for a portion of the stock. It will be necessary to pay off two mortgages on the property, but the committee is confident that the income from the associations will from the start be ample to pay all the expenses, including the fixed charges. Tech is represented on the committee by Allston Sargent, secretary of the New York Technology Club.

FROM OTHER INSTITUTIONS.

Among the new members of the staff in the chemical department this year that are graduates from other institutions, as follows:

From the University of Toronto and the University of Heidelberg, Dr. E. B. Spear; from the University of Minnesota, Mr. W. W. Kennedy; from Clark College, Mr. C. B. Nickerson; the Institute and Gottingen University, Dr. R. S. Williams; and from Northwestern University and the Institute, Mr. C. R. Bragdon.

TECH MAN GOES TO WEST POINT.

Sidney P. Spalding 1911 recently received word of his appointment to West Point. He is a graduate of the Lowell high school, where he was president of his class and in charge of the High School Review and generally prominent in school affairs. At Tech he has been a member of the Freshman football team. He will take the entrance examinations for the military academy this month.

CALENDAR.

Wednesday, March 11.

2.00 P.M. Convocation in Huntington Hall.
4.00 P.M. Tech Show Chorus Rehearses at the Union.
4.00 P.M. Weight Practice in front of Lowell.
4.00 P.M. Tech Show Chorus Rehearsal at the Union.
4.15 P.M. Glee Club Rehearsal at Boston Y. M. C. A.
4.15 P.M. Gym Team Practice at the Gym.
5.15 P.M. Brotherhood of St. Andrew Meeting at the Technology Club.

Thursday, March 12.

1.30 P.M. Y. M. C. A. Meeting in Trinity Church Library.
1.45 P.M. M. M. E. Society Trip to Edison's Power Station.
4.00 P.M. Tech Show Principals Rehearsal at the Union.
5.30 P.M. Y. M. C. A. Dinner at the Union.
7.15 P.M. Glee Club Meets in Boylston St. Subway.
8.00 P.M. Society of Arts Meeting in 22 Walker.

Friday, March 13.

4.00 P.M. Tech Show Chorus Rehearsal at the Union.
4.00 P.M. Banjo Club Rehearsal in 33 Rogers.

The Technology Review

A QUARTERLY MAGAZINE DEVOTED TO THE INTERESTS OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY AND PUBLISHED BY THE ASSOCIATION OF CLASS SECRETARIES

83 NEWBURY STREET, BOSTON

The Review aims to develop closer relations among Institute men and to stimulate their interest in the work of the College. It is in no sense an engineering m gazine, but deals broadly with the problems of Technological Education and the responsibilities of the professional man.

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SPECIAL INDUCEMENTS TO TECH STUDENTS

FACULTY NOTICES.

SENIORS.—A new bulletin on the opportunities for advanced study and research at the Institute has just been issued. Members of the Senior class who are contemplating spending a year or more in graduate work may obtain this bulletin on request at the Registrar's Office.

FOREIGN TRAVEL.—Students who may be thinking of travelling abroad next summer and desire information should consult Professor Vogel, in 33 Lowell, or by communicating with him at 95 Robinwood Avenue, Jamaica Plain, (Jamaica 647-7).

NOTICES.

GYM TEAM.—Practice daily at the Gym, at 4.15 P. M.

HARE AND HOUNDS.—The hare and hound run this week is to be at Waban. There is a shower bath.

MECHANICAL ENGINEERING SOCIETY.—Leave 24 B at 1.45 tomorrow for trip to Edison Company's L St. power station.

Y. M. C. A.—Dinner tomorrow evening at the Union from 5.30 to 7.00 P. M. Price, 40 cents. Neil McMillan, Jr., of International Y. M. C. A. will speak.

SOCIEY OF ARTS.—Gorham Dana will speak on recent developments in fire protection devices in 22 Walker tomorrow at 8 P. M.

AUTO SHOW.—Tickets for the Automobile Show, now at Mechanics' Building, may be procured from the Business Manager of The Tech at a discount.

GLEE CLUB ONLY.—Special concert at Pilgrim Church, Magazine St., Cambridge, tomorrow. Every man must be at Boylston St. subway station on south-bound platform at 7.15 P. M. sharp.

Y. M. C. A.—Rev. Thomas Van Ness of the Second Church who gave the excellent talks on Tolstoy last year will address the Y. M. C. A. meeting in Trinity Church Library tomorrow at 1.30 P. M.

EPISCOPALIANS.—All who have attended any of the meetings are requested to be present at a very important meeting of the Tech Brotherhood of St. Andrew this afternoon at 5.15 in the Technology Club, 83 Newbury Street.

CLASSIFIED ADS.

Advertisements of this kind under different classifications are inserted at the rate of five cents a line, averaging six words to a line, payable in advance.

LOST.—First year notes on Prof. Talbot's lectures. Return to Cage for P. D. White.

Men who desire summer work at $2.50 per day, leave note for Woodruff at the Cage. ATTEND TO THIS NOW.

FOR SALE.—Technique 1909 has a few subscriptions to the Engineering Record, the Street Railway Journal, and the Electrical World, which will be sold at $2.50 as long as they last. Regular price $3.00.

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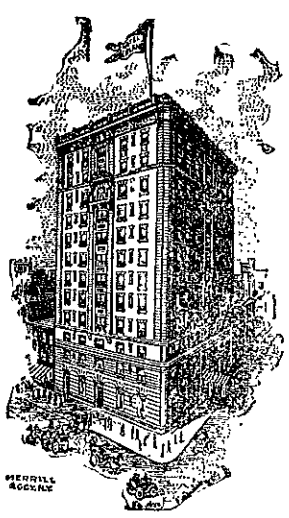

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